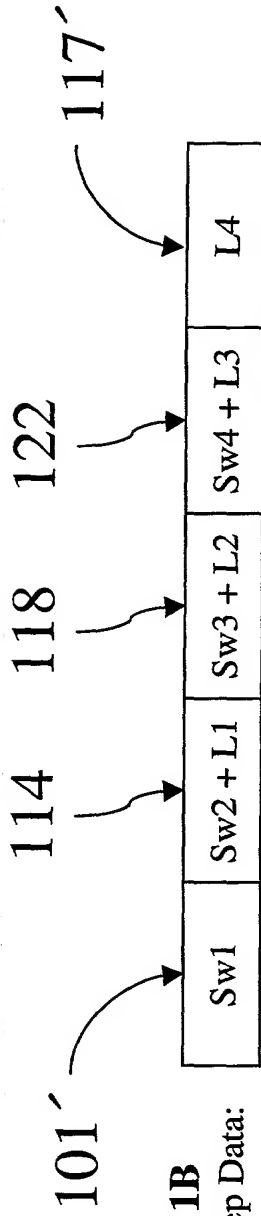
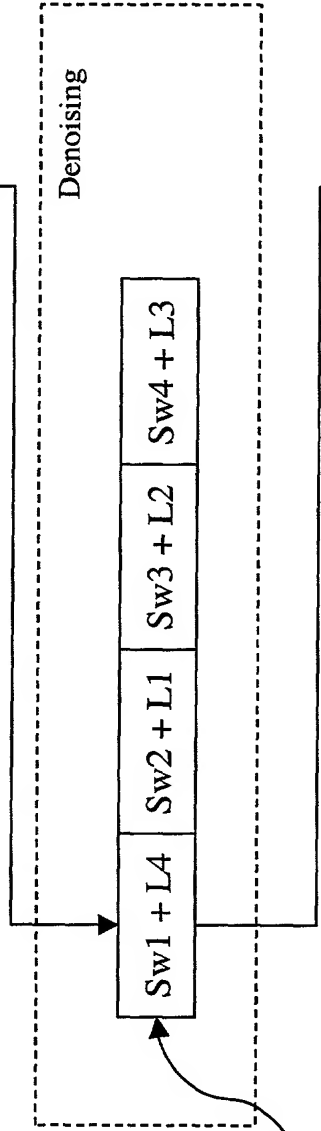


**FIGURE 1A:**  
Variphase Gathers

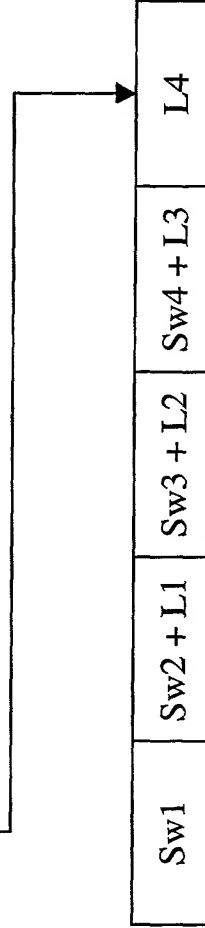


**FIGURE 1B**  
Cascaded Sweep Data:



**FIGURE 1C**  
Modified Cascaded  
Sweep Data:

131



**FIGURE 1D**  
Denoised Cascaded  
Sweep Data:

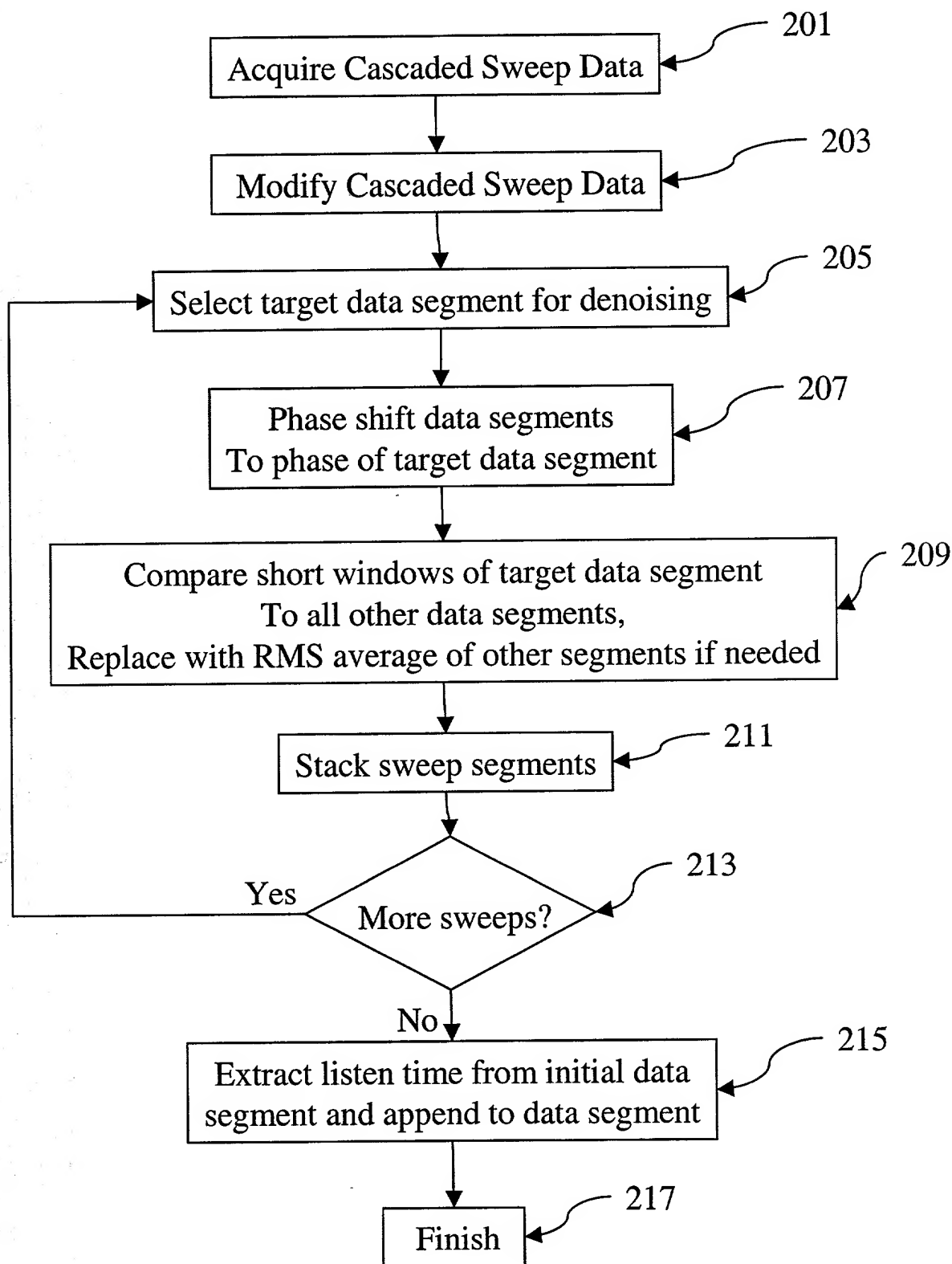


Figure 2

FIGURE 3

FIGURE 3

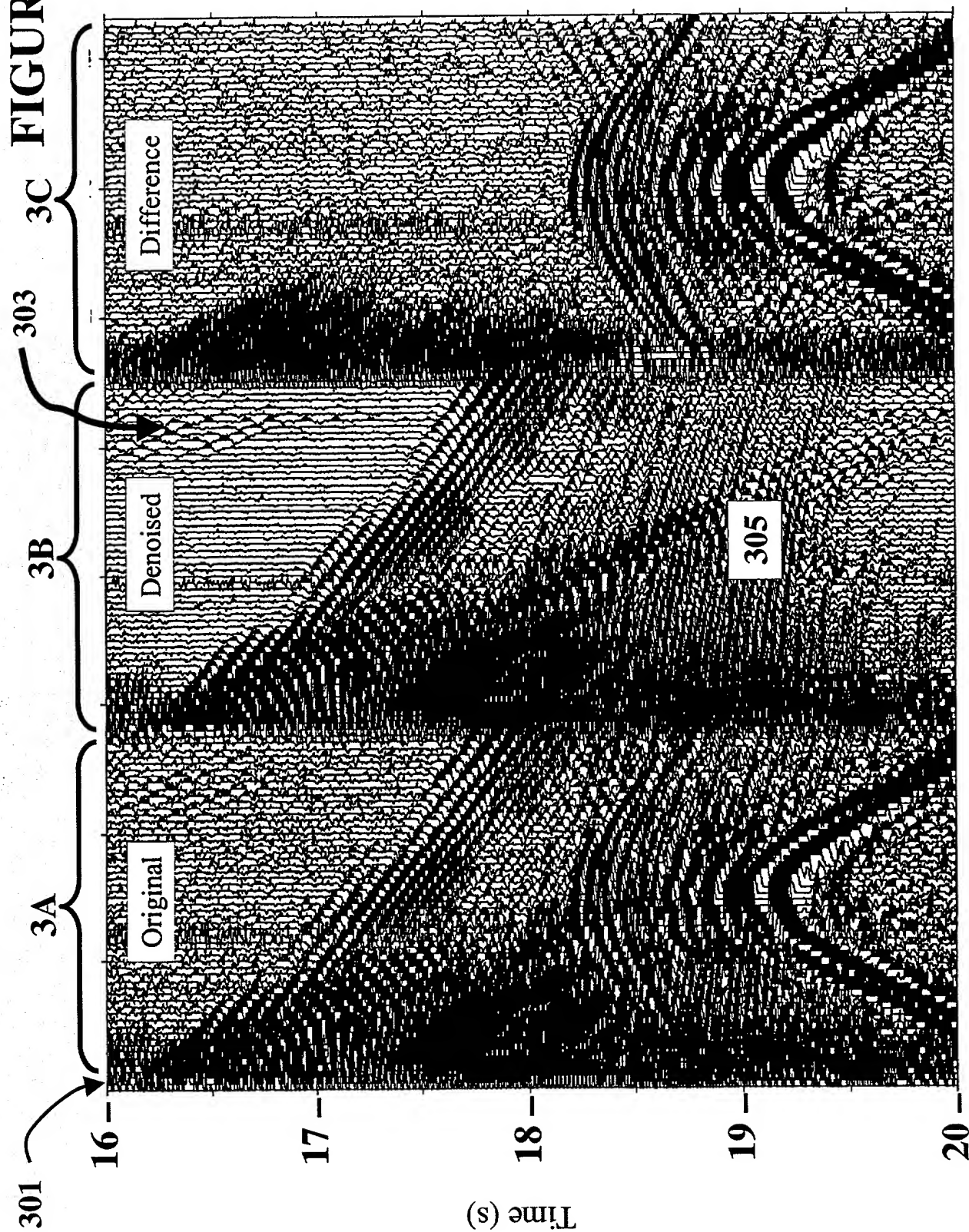


FIGURE 4

